BRUHATH BANGALORE MAHANAGARA PALIKE
Ward 14, Dasarahalli sub division
E MEASUREMENT BOOK
1 st & final bill

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
BOQ-1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 complete as per specification with all lead and lift and as per the directions of the Engineer incharge.								
		Cum							
		Premeasurement recorded on **30-82021** E MB page No- 9 to 12					1464.42		
		Premeasurement recorded on **1-9-2021** E MB page No- 13					294.99		
		Premeasurement recorded on **19-9-2021** E MB page No- 21					10.97		
				Total Qty			1770.38	200.00	354076
BOQ-2	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification complete as per specification with all lead and lift and as per the directions of the Engineer incharge								
		Cum							
		Premeasurement recorded on **3-9-2021** E MB page No- 14					37.66		
		Premeasurement recorded on **20-9-2021** E MB page No- 22					15.71		
				Total Qty			53.37	3500.0	186795 186785
BOQ-3	Providing and laying palin / reinforced cement concrete for side drain using M20 nominal mix conncrete with OPC cement @ 300kgs. with 20mm and down size graded granite metal coarse aggregates @0 69 cum and fine aggregtes @ 0.43cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, well compacted for walls and bottom including centering,shuttering, cost of materials,HOM of machinery, curing etc complete excluding cost of steel as per MORTH Specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications wall & botton thickness 15cm complete as per specification with all lead and lift and as per the directions of the Engineer incharge								
		Cum							
		Premeasurement recorded on **14-9-2021** E MB page No- 18					45.12		
		Premeasurement recorded on **28-9-2021** E MB page No- 28-29					112.83		

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
				Total Qty			157.96	6000.0	947760 947744
BOQ-4	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar & edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13- do - with cement mortar 1 6complete as per specification with all lead and lift and as per the directions of the Engineer incharge								
		Cum					0.00	4000.0	0
		Not Executed							
BOQ-5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.								
		Tonne							
	E	Premeasurement recorded on 10-8-2021 E MB page No- 6-7					12.58		
	G	Premeasurement recorded on 11-8-2021 E MB page No- 8					1.09		
	A	Premeasurement recorded on 4-9-2021 E MB page No- 15					4.54		
	B	Premeasurement recorded on 5-9-2021 E MB page No- 16					1.67		
	C	Premeasurement recorded on **6-9-2021** E MB page No-17					1.05		
	D	Premeasurement recorded on **18-9-2021** E MB page No- 20					0.12		
	E	Premeasurement recorded on **21-9-2021** E MB page No- 23 & 24					3.30		
				Total Qty			24.48		
		Up to 125%					17.48	65000.00	1136200 1135875
		Above 125%					6.87	64134.48	440283 440604
BOQ-6	Providing & fixing Precast RCC slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including from work lift charges, curing and concrete finished surface on both side etc complete as per specification with all lead and lift and as per the directions of the Engineer incharge								
	3rd cross road	Sqm	1	26.40	0.90		23.76		
	4rd cross road		1	10.20	0.90		9.18		
	Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	0.90		27.00		
			1	13.50	0.90		12.15		

ಸಹಾಯಕ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಜಿ. ಪಂಚಾಯತ್ ರಾಜ್ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಪಂ ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
			1	10.70	0.90		9.63		
			1	16.70	0.90		15.03		
			1	9.90	0.90		8.91		
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	0.90		17.37		
			1	9.40	0.90		8.46		
			1	21.00	0.90		18.90		
	6 th cross								
	South side		1	18.00	0.90		16.20		
	North side		1	12.00	0.90		10.80		
	Manjunatha nagara main road from Anganawadi towards North Left side		1	11.20	0.90		10.08		
	Broken slabs for all cross roads		130	0.60	0.90		70.20		
					Total Qty		260.91	500.0	391365
BOQ-7	Providing & Fixing Precast RCC slab of 150mm thick for culverts made of plain/reinforced cement concrete desigh mix M25 with OPC @ 330 Kgs with 20mm and down size graded granite metal course aggregates @ 0.70 cum and fine aggregates @ 0.70 cum with super plasticizer @ 3lts confirming to 189103-1999 Reaffirmed-2008m open foundation complete as per drawing and technical specification including cost of all materials, Labour, HOM curing form works, scaffoiding and centering complete as per specification and pointing for joints 1:3 cement mortor including form work. lift charges, curing and concrete finished surfacess on both sides etc., complete and as per the direction of Engineer in- Charge								
		Sqm							
	3 rd Cross road		1	8.20	1.20		9.84		
	Dananjaya house		1	3.75	1.20		4.50		
	Basavaraj house		1	6.20	1.20		7.44		
	Right side		1	6.30	1.20		7.56		
	4 th cross		1	5.00	1.20		6.00		
	5 th cross		1	3.20	1.50		4.80		
			2	1.20	0.60		1.44		
					Total Qty		41.58	4000.0	166320
BOQ-8	Removing and resetting of footpath slab complete as per specification with all lead and lift and as per the directions of the Engineer incharge.								
		Sqm							
	Desilting of drain								
	Manjunatha nagara 1 st cross								
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	2.00		0.90	3.60		
			1	30.00		0.90	27.00		
			1	30.00		0.90	27.00		
			1	6.00		0.90	5.40		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	27.00		0.90	48.60		
			4	24.00		0.90	86.40		
	Manjunatha nagara 2 nd cross								
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	22.00		0.90	39.60		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	6.00		0.90	10.80		
			2	30.00		0.90	54.00		

Sl No	Particulars of item	Cost	Nos	L	B	D	Qty	Rate	Amount
	Manholes depth 1.5 to 2mtrs								
				30.00		0.90	54.00		
				30.00		0.90	54.00		
				30.00		0.90	54.00

Sl No	Particulars of item	Unit	No s	L	B	D	Qty	Rate	Amount
	Opposite temple North side		2	11.20		0.90	20.16		
							3504.51	160.0	560722
BOQ-9	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications								
	Qty Vide Item No 1	Cum					1464.42		
			Qty as per Item No 1(II)/2				219.66		
			Deduct 15 % shrinkage				1244.76		
			Qty as per Item No 1(A)				305.96		
			Qty as per Item No 1-2				31.35		
			Qty as per Item No 1-3				436.37		
			Total Qty				**2018.44**	180.0	363319
BOQ-10	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design. laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)complete as per specification and directions of the Engineer incharge								
	Road	Cum							
			1	5.50	4.00	0.15	3.30		
			1	8.80	3.10	0.15	4.09		
							7.39	4000.0	29560
EIRL ITEM -1	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with 14mm down size, of width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete P27/5.30								
		No							
	3rd cross road		1	26.40			26.40		
	4rd cross road		1	10.20			10.20		
	Manjunatha nagara main road from Anganawadi towards North Leftt side		1	30.00			30.00		
			1	13.50			13.50		
			1	10.70			10.70		
			1	16.70			16.70		

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ಬಾಗಲಗುಂಟೆ
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು ೫೬೦೦೭೩

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
			1	9.90			9.90		
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30			19.30		
			1	9.40			9.40		
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00			21.00		
			1	30.00			30.00		
			1	25.50			25.50		
	Manjunatha nagara main road L/S (cement)		1	11.20			11.20		
	6 th cross								
	Opposite temple		1	4.00			4.00		
	Opposite temple south side		1	4.80			4.80		
	Opposite temple North side		1	11.20			11.20		
	Opposite Dananjaya house		1	9.80			9.80		
			1	8.20			8.20		
						0.45	271.80		
						Qty	604.00		
EIRL ITEM - 2	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications KSRRB M200-12.3. –do– C. Prestressed / Reinforced cement concrete grade M-20 above P 140/18.19						365.88		220990
		Cum							
		Premeasurement recorded on 2-8-2021 E MB page No- 1					19.93		
		Premeasurement recorded on 30-8-2021 E MB page No- 12					11.42		
		Total Qty					31.35		
3 EIRL ITEM	KSRRB 2100-5 Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m , including dewatering , shoring strutting wherever necessary watering and ramming including cost of all materials, labour, HOM complete as per specifications MORTH Chapter 12(221/27.11)						1424.95		44672
		Cum							
		Premeasurement recorded on 5-8-2021 E MB page No- 3					504.48		
	Deduct	Premeasurement recorded on 3-8-2021 E MB page No- 2					68.11		
		Net Qty					436.37		
4 EIRL ITEM	KSRB 2.8 Providing and Filling in foundation with granite / trap broken metal 100mm and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications specification No KBS 2.10.2 (7/2.15)						808.88		358941 (352970)
		Cum							
		Premeasurement recorded on 6-9-2021 E MB page No- 17					58.22		

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
		Premeasurement recorded on 22-9-2021 E MB page No- 25					12.27		
						Net Qty	70.49	2178.23	153543
5 EIRL ITEM	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (13/4.3)								
		Cum							
		Premeasurement recorded on 9-8-2021 E MB page No- 5					21.94		
		Premeasurement recorded on 23-9-2021 E MB page No- 26					7.39		
						Net Qty	29.33	4577.06	134245
6 EIRL ITEM	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (14/4.12)								
		Cum							
		Premeasurement recorded on 1-9-2021 E MB page No- 13 A					90.14		
		Premeasurement recorded on 14-9-2021 E MB page No- 18,19					54.69		
		Premeasurement recorded on 22-9-2021 E MB page No- 25					38.22		
						Net Qty	183.05	5420.91	992298
7 EIRL ITEM	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications								
		Sqm							
		Premeasurement recorded on 24-9-2021 E MB page No- 27					627.87		
						Net Qty	627.87	321.04	201571
8 EIRL ITEM	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. P7/2.12								

S. No.	Particulars of Item	Unit	No's	L	B	D	Qty	Rate	Amount
		Cum					30.43		
							Net Qty	30.43	361.39	10997

Item 32a Providing and laying in position plain cement concrete of M - 15 using 40mm and down size graded granite metal in surrounding existing internal diameter stoneware pipes, concrete machine mixed and required including cost of materials, labour charges, form work, HOM curing complete as per specification Specification No 6/8.4.1/4.2 SOItem P/15.11.32

For chainage wise entry refer	Mtr						6.00		
		1	6.00	1.00			4.00		
						Qty	10.00	1276.09	12761
							Total Amt		6700098
							12% GST		804012
								Total Rs	7504110

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804092
7504862

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ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಕ.ಎಂ.ಸಿ
ಬೆಂಗಳೂರು 560073

11/10/21

Assistant Engineer
W-24

Thyagaraja.K

Assistant Executive Engineer
Dasarahalli Sub Division

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಬಾಗಲಗುಂಟೆ, ಜಿ.ಕ.ಎಂ.ಸಿ
ಬೆಂಗಳೂರು 560073

CIVIL PRO

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Measurement recorded on

Contraction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

ESR2, ITEM-2	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including TRP and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications KSRRB M200-12.3. -do- C. Prestressed / Reinforced cement concrete grade M-20 above P 140/15.19

S No	Particulars of item	Unit Cum	Nos	L	B	D	Qty
	Culvert deck slab						
	13 th Cross road		1	8.20	1.50	0.25	3.08
	Dhananjaya house		1	7.00	1.50	0.30	3.15
			1	3.00	1.20	0.25	0.83
			1	3.75	2.70	0.15	1.52
			4	3.60	1.50	0.25	2.85
	Right side		1	0.60	1.50	0.25	2.48
	14 th cross		1	5.00	1.50	0.25	1.88
	15 th cross		1	6.90	2.10	0.25	3.62
				1.80	1.20	0.25	0.54
						Qty	19.93

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli sub division

Jayaram.K.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಆ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜ.ಕ ಬಿ.ಬಿ
ಬೆಂಗಳೂರು-560073

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

easurement recorded on

ruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt
er primary school Surrounding in Bagalagunte ward no 14

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KSRRB 2100-5. Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m., including dewatering , shoring strutting wherever necessary watering and ramming including cost of all materials, labour, HOM complete as per specifications MORTH Chapter 12(221/27.11)

No	Particulars of item	Unit	No.s	L	B	D	Qty
		Cum					
	Existing drain		1	30.00	1.20	1.20	43.20
			1	17.30	1.20	1.20	24.91
						Qty	68.11

Assistant Engineer
W-14
20/8/21

Jayaram.K.

Assistant Executive Engineer
Dasarahalli Sub Division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

CIVIL PRO

CIVIL PRO

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

4 EIRL ITEM — KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications, specification. No. KBS 2.10.2 (7/2.15)

S No	Particulars of Item	Unit	No.s	L	B	D	Qty
		Cum					
	Ch 0.00 to 13.50 mtr		1	13.50	2.65	0.45	16.09
	Ch 13.50 to 19.00 mtr		1	6.50	2.30	0.45	5.69
	Ch 19.00 to 25.70 mtr		1	6.70	2.65	0.45	7.98
	Ch 25.70 to 37.35 mtr		1	11.65	2.80	0.45	14.67
	Ch 37.35 to 48.3 mtr		1	10.95	2.80	0.45	13.79
						Qty	58.22

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

CIVIL PRO

BRUHATH BANGALORE MAHANAGARA PALIKE

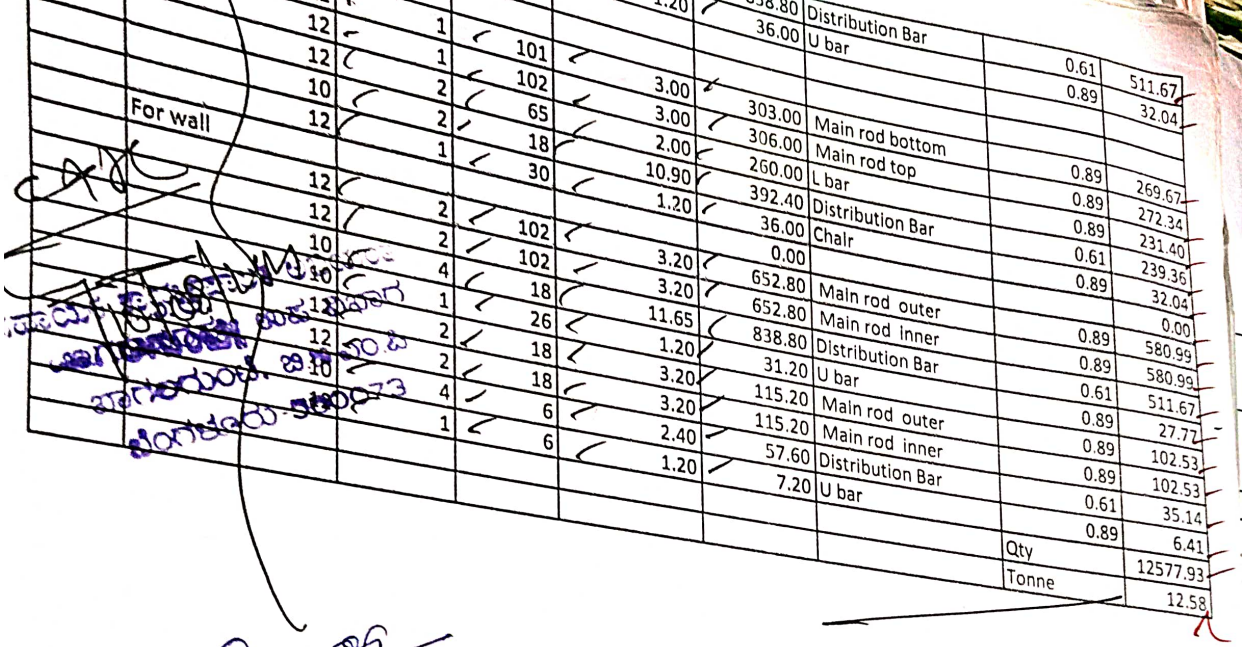
Ward 14, Dasarahalli sub division

emeasurement recorded on (E):

nstruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha agara Govt Higher primary school Surrounding in Bagalagunte ward no 14

OQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	For Roft							
	Ch 0.00 to 13.50 mtr							
	12	1	136	2.80	380.80	Main rod bottom	0.89	338.91
	12	1	136	2.80	380.80	Main rod top	0.89	338.91
	12	2	90	2.00	360.00	L bar	0.89	320.40
	10	2	17	13.50	459.00	Distribution Bar	0.61	279.99
	12	1	35	1.20	42.00	Chair	0.89	0.89
	For wall							
	12	2	136	3.20	870.40	Main rod outer	0.89	774.66
	12	2	136	3.20	870.40	Main rod inner	0.89	774.66
	10	4	18	13.50	972.00	Distribution Bar	0.61	592.92
	12	1	18	1.20	21.60	U bar	0.89	19.2
	Ch 13.50 to 19.00 mtr							
	12	1	56	2.60	145.60	Main rod bottom	0.89	129
	12	1	56	2.60	145.60	Main rod top	0.89	129
	12	2	23	2.00	92.00	L bar	0.89	8
	10	2	16	5.50	176.00	Distribution Bar	0.61	10
	12	1	35	1.20	42.00	Chair	0.89	
	For wall				0.00			
	12	2	55	3.20	352.00	Main rod outer	0.89	
	12	2	56	3.20	358.40	Main rod inner	0.89	
	10	4	18	5.50	396.00	Distribution Bar	0.61	
	12	1	18	1.20	21.60	U bar	0.89	
	Ch 19.00 to 25.70 mtr							
	12	1	67	2.80	187.60	Main rod bottom	0.89	
	12	1	67	2.80	187.60	Main rod top	0.89	
	12	2	41	2.00	164.00	L bar	0.89	
	10	2	17	6.70	227.80	Distribution Bar	0.61	
	12	1	35	1.20	42.00	Chair	0.89	
	For wall							
	12	2	66	3.20	422.40	Main rod outer	0.8	
	12	2	67	3.20	428.80	Main rod inner	0.8	
	10	4	18	6.70	482.40	Distribution Bar	0.	
	12	1	34	1.20	40.80	U bar	0	
	Ch 25.70 to 37.35 mtr							
	12	1	116	3.00	348.00	Main rod bottom		
	12	1	116	3.00	348.00	Main rod top		
	12	2	70	2.00	280.00	L bar		
	10	2	18	11.65	419.40	Distribution Bar		
	12	1	35	1.20	42.00	Chair		
	For wall				0.00			
	12	2	116	3.20	742.40	Main rod outer		
	12	2	115	3.20	736.00	Main rod inner		



					1.20	38.80	Distribution Bar		
		12	1			36.00	U bar	0.61	511.67
		12	1	101				0.89	32.04
		10	2	102	3.00				
	For wall	12	2	65	3.00	303.00	Main rod bottom		
			1	18	2.00	306.00	Main rod top		
		12		30	10.90	260.00	L bar	0.89	269.67
		12	2		1.20	392.40	Distribution Bar	0.89	272.34
		10	2	102		36.00	Chair	0.89	231.40
		10	4	102	3.20	0.00		0.61	239.36
		12	1	18	3.20	652.80	Main rod outer	0.89	32.04
		12	2	26	11.65	652.80	Main rod inner		0.00
		12	2	18	1.20	838.80	Distribution Bar	0.89	580.99
		10	2	18	3.20	31.20	U bar	0.89	580.99
			4	6	3.20	115.20	Main rod outer	0.61	511.67
			1	6	2.40	115.20	Main rod inner	0.89	27.72
					1.20	57.60	Distribution Bar	0.89	102.53
						7.20	U bar	0.89	102.53
								0.61	35.14
								0.89	6.41
							Qty		12577.93
							Tonne		12.58

10/08/24

Assistant Engineer
W-14

Jayarama.K.

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE
Ward 14, Dasarahalli sub division

remeasurement recorded on (G):

onstruction of CC drain from Mamma devi temple surrounding and construction of CC drain at Dharanijaya house in Manjunatha

agara Govt. Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 | Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and cost) cost of materials, labour, hire of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of Bar / Mer	Weight in Kgs
	End connection							
	12	1	50	1.40	34.00	Main rod bottom	0.89	74.75
	12	1	30	1.40	42.00	Main rod top	0.89	37.38
	10	2	8	5.20	99.20	Distribution Bar	0.61	60.51
	12	1	4	1.20	4.80	Chair	0.89	0.89
	For wall							
	12	1	41	1.90	77.90	Main rod outer	0.89	69.32
	12	1	41	2.00	82.00	Main rod inner	0.89	72.98
	10	2	7	6.20	86.80	Distribution Bar	0.61	52.95
	12	1	8	1.20	9.60	Chair	0.89	8.54
	North connection							
	12	1	43	1.40	60.20	Main rod bottom	0.89	53.58
	12	1	45	1.40	64.40	Main rod top	0.89	57.32
	10	2	8	6.80	108.80	Distribution Bar	0.61	66.37
	12	1	4	1.20	4.80	Chair	0.89	0.89
	For wall							
	12	2	45	2.30	207.00	Main rod outer	0.89	184.23
	12	2	45	2.30	207.00	Main rod inner	0.89	184.23
	10	4	9	6.80	244.80	Distribution Bar	0.61	149.33
	12	1	15	1.20	18.00	Chair	0.89	17.09
							Qty	1050.37
							Tonne	1.05

Assistant Engineer 16/2/21
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

Tejaswini.K

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-1 KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 complete as per specification with all lead and lift and as per the directions of the Engineer incharge.

Particulars of item	Unit	No.s	L	B	D	Qty
Desilting	Cum					
Manjunatha nagara 1 st cross						
2 nd cross to 3 rd cross South		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	22.00	0.60	(.55+.60+.50)/3	7.26
2 nd cross to 3 rd cross North		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	22.00	0.60	(.55+.60+.50)/3	7.26
3rd cross to 4th cross North		1	30.00	0.60	(.70+.80+.75)3	13.50
		1	30.00	0.60	(.75+.80+.70)3	13.50
		1	6.00	0.60	(.70+.80+.75)3	2.70
4 th cross to 5th cross South		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	27.00	0.60	(.55+.60+.50)/3	8.91
4 th cross to 5th cross North		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	27.00	0.60	(.55+.60+.50)/3	8.91
5 th cross to Dead end		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.10	0.60	(.50+.60+.55)/3	7.95
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	23.90	0.60	(.50+.60+.55)/3	7.89
Manjunatha nagara 2 nd cross						
2 nd cross to 3 rd cross south		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	22.00	0.60	(.55+.60+.50)/3	7.26
2 nd cross to 3 rd cross north		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	22.00	0.60	(.55+.60+.50)/3	7.26
3rd cross to 4th cross south		1	30.00	0.60	(.60+.65+.55)/3	10.80
		1	30.00	0.60	(.55+.65+.60)/3	10.80
		1	6.00	0.60	(.60+.65+.55)/3	2.16
3rd cross to 4th cross north		1	30.00	0.60	(.60+.65+.55)/3	10.80
		1	30.00	0.60	(.55+.65+.60)/3	10.80
		1	6.00	0.60	(.60+.65+.55)/3	2.16
4 th cross to 5th cross south		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	27.00	0.60	(.55+.60+.50)/3	8.91
4 th cross to 5th cross north		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	27.00	0.60	(.55+.60+.50)/3	8.91
5 th cross to Dead end		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92

Manjunatha nagara 3 rd cross						
2 nd cross to 3 rd cross south	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	22.00	0.60	(.50+.60+.55)/3		7.26
2 nd cross to 3 rd cross north	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	22.00	0.60	(.50+.60+.55)/3		7.26
3rd cross to 4th cross south	1	30.00	0.60	(.60+.65+.55)/3		10.80
	1	30.00	0.60	(.55+.65+.60)/3		10.80
	1	6.00	0.60	(.60+.65+.55)/3		2.16
3rd cross to 4th cross north	1	30.00	0.60	(.60+.65+.55)/3		10.80
	1	30.00	0.60	(.55+.65+.60)/3		10.80
	1	6.00	0.60	(.60+.65+.55)/3		2.16
4 th cross to 5th cross south north	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	27.00	0.60	(.50+.60+.55)/3		8.91
4 th cross to 5th cross	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	27.00	0.60	(.50+.60+.55)/3		8.91
5 th cross to Dead end south	1	22.00	0.60	(.50+.60+.55)/3		7.26
5 th cross to Dead end north	1	22.00	0.60	(.50+.60+.55)/3		7.26
Between cross roads	1	24.00	0.60	(.50+.60+.55)/3		7.92
	1	24.00	0.60	(.50+.60+.55)/3		7.92
	1	24.00	0.60	(.50+.60+.55)/3		7.92
	1	24.00	0.60	(.50+.60+.55)/3		7.92
	1	24.00	0.60	(.50+.60+.55)/3		7.92
	1	24.00	0.60	(.50+.60+.55)/3		7.92
Manjunatha nagara 4th cross						
2 nd cross to 3 rd cross south	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	22.00	0.60	(.50+.60+.55)/3		7.26
2 nd cross to 3rd cross north	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	22.00	0.60	(.50+.60+.55)/3		7.26
3rd cross to 4th cross south	1	30.00	0.60	(.70+.80+.75)3		13.50
	1	30.00	0.60	(.75+.80+.70)3		13.50
	1	6.00	0.60	(.70+.80+.75)3		2.70
3rd cross to 4th cross north	1	30.00	0.60	(.70+.80+.75)3		13.50
	1	30.00	0.60	(.75+.80+.70)3		13.50
	1	6.00	0.60	(.70+.80+.75)3		2.70
4 th cross to 5th cross south	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	27.00	0.60	(.50+.60+.55)/3		8.91
4 th cross to 5th cross north	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	27.00	0.60	(.50+.60+.55)/3		8.91
5 th cross to Dead end	1	22.00	0.60	(.55+.60+.50)/3		7.26
5 th cross to Dead end	1	22.00	0.60	(.55+.60+.50)/3		7.26
Between cross roads	1	24.00	0.60	(.55+.60+.50)/3		7.92
	1	24.00	0.60	(.55+.60+.50)/3		7.92
	1	24.00	0.60	(.55+.60+.50)/3		7.92
	1	24.00	0.60	(.55+.60+.50)/3		7.92
	1	24.00	0.60	(.55+.60+.50)/3		7.92
	1	24.00	0.60	(.55+.60+.50)/3		7.92
Manjunatha nagara 5th cross						
Dead end to 3 rd cross south	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	7.00	0.60	(.50+.60+.55)/3		2.31
Dead end to 3 rd cross north	1	30.00	0.60	(.50+.60+.55)/3		9.90
	1	30.00	0.60	(.55+.60+.50)/3		9.90
	1	7.00	0.60	(.50+.60+.55)/3		2.31

3rd cross to 4th cross south	1	30.00	0.60	(.70+.80+.75)3	13.50
	1	30.00	0.60	(.75+.80+.70)3	13.50
	1	6.00	0.60	(.70+.80+.75)3	2.70
3rd cross to 4th cross north	1	30.00	0.60	(.70+.80+.75)3	13.50
	1	30.00	0.60	(.75+.80+.70)3	13.50
	1	6.00	0.60	(.70+.80+.75)3	2.70
4 th cross to 5th cross south	1	30.00	0.60	(.70+.80+.75)3	13.50
	1	30.00	0.60	(.75+.80+.70)3	13.50
	1	27.00	0.60	(.70+.80+.75)3	12.15
4 th cross to 5th cross north	1	30.00	0.60	(.70+.80+.75)3	13.50
	1	30.00	0.60	(.75+.80+.70)3	13.50
	1	27.00	0.60	(.70+.80+.75)3	12.15
5 th cross to Dead end	1	22.00	0.60	(1.10+.90+1.00)/3	13.20
Between cross roads	1	24.00	0.60	(.55+.60+.50)/3	7.92
	1	24.00	0.60	(.55+.60+.50)/3	7.92
	1	24.00	0.60	(.55+.60+.50)/3	7.92
	1	24.00	0.60	(.55+.60+.50)/3	7.92
	1	24.00	0.60	(.55+.60+.50)/3	7.92
	1	24.00	0.60	(.55+.60+.50)/3	7.92
Manjunatha nagara 6th cross					
2 nd cross to 3 rd cross south	1	30.00	0.60	(.50+.60+.55)/3	9.90
	1	30.00	0.60	(.55+.60+.50)/3	9.90
	1	7.00	0.60	(.50+.45+.55)/3	2.10
2 nd cross to 3 rd cross north	1	12.00	0.60	(.55+.60+.50)/3	3.96
3rd cross to 4th cross south	1	30.00	0.60	(.50+.60+.55)/3	9.90
	1	30.00	0.60	(.55+.60+.50)/3	9.00
	1	6.00	0.60	(.50+.55+.45)/3	1.80
3rd cross to 4th cross north	1	30.00	0.60	(.50+.60+.55)/3	9.90
	1	30.00	0.60	(.55+.60+.50)/3	9.00
	1	6.00	0.60	(.50+.55+.45)/3	1.80
4 th cross to 5th cross south	1	30.00	0.60	(.45+.55+.50)/3	9.00
	1	30.00	0.60	(.50+.55+.45)/3	9.00
	1	27.00	0.60	(.45+.55+.50)/3	8.10
4 th cross to 5th cross north	1	30.00	0.60	(.45+.55+.50)/3	9.00
	1	30.00	0.60	(.50+.55+.45)/3	9.00
	1	27.00	0.60	(.45+.55+.50)/3	8.10
5 th cross to Dead end	1	27.00	0.60	(.50+.55+.45)/3	8.10
5 th cross to Dead end	1	27.00	0.60	(.50+.55+.45)/3	8.10
Between cross roads	1	24.00	0.60	(.45+.55+.50)/3	7.92
	1	24.00	0.60	(.45+.55+.50)/3	7.92
	1	24.00	0.60	(.45+.55+.50)/3	7.92
	1	24.00	0.60	(.45+.55+.50)/3	7.92
In side Coffee day godown					
	1	30.00	0.60	(.45+.55+.50)/3	9.90
	1	30.00	0.60	(.50+.55+.45)/3	9.90
	1	20.00	0.60	(.45+.55+.50)/3	6.60
Manjunatha nagara 7th cross					
4 th cross to 5th cross	1	30.00	1.20	(0.90+090)/2	32.40
	1	30.00	1.20	(0.90+090)/2	32.40
	1	21.00	1.20	(0.90+090)/2	22.68
	1	30.00	0.60	(.50+.60+.55)/3	9.90
	1	30.00	0.60	(.55+.60+.50)/3	9.90
	1	7.00	0.60	(.50+.60+.55)/3	2.31

			1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	7.00	0.60	(.50+.60+.55)/3	2.31
	Dananjaya house east side drain						
			1	30.00	0.60	(.50+.45+.55)/3	9.00
			1	9.00	0.60	(.55+.50+.45)/3	2.70
	Culverts						
			1	6.00	0.60	(.55+.50+.45)/3	1.80
			1	5.80	0.60	(.55+.50+.45)/3	1.74
			1	6.20	0.60	(.55+.50+.45)/3	1.86
			1	6.00	0.60	(.55+.50+.45)/3	1.80
			1	5.90	0.60	(.55+.50+.45)/3	1.77
			1	6.10	0.60	(.55+.50+.45)/3	1.83
			1	6.00	0.60	(.55+.50+.45)/3	1.80
			1	5.80	0.60	(.55+.50+.45)/3	1.74
			1	6.00	0.60	(.55+.50+.45)/3	1.80
			1	6.20	0.60	(.55+.50+.45)/3	1.86
	6 th cross						
	South side		1	30.00	0.60	(.55+.50+.45)/3	9.00
	North side		1	25.50	0.60	(.55+.60+.50)/3	8.42
	Manjunatha nagara main road from Anganawadi towards North Left side End		1	25.60	0.60	(.55+.60+.50)/3	8.45
	Opposite temple						
	Opposite temple south side		1	4.80	0.60	(.75+.80+.70)3	2.16
	Opposite temple North side		1	11.20	0.60	(.70+.80+.75)3	5.04
						Qty	1464.42

EIRL ITEM -2

KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications

KSRRB M200-12.3. –do– C. Prestressed / Reinforced cement concrete grade M-20 above P 140/18.19

S No	Particulars of item	Unit No	No.s	L	B	D	Qty
	For kerb						
	3rd cross road		1	26.40	0.30	0.15	1.19
	4rd cross road		1	10.20	0.30	0.15	0.46
	Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	0.30	0.15	1.35
			1	13.50	0.30	0.15	0.61
			1	10.70	0.30	0.15	0.48
			1	16.70	0.30	0.15	0.75
			1	9.90	0.30	0.15	0.45
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	19.30	0.30	0.15	0.87
			1	9.40	0.30	0.15	0.42
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00	0.30	0.15	0.95
			1	30.00	0.30	0.15	1.35
			1	25.50	0.30	0.15	1.15
	Manjunatha nagara main road from Anganawadi towards North Left side		1	11.20	0.30	0.15	0.50
	6 th cross						
	Opposite temple		1	4.00	0.30	0.15	0.18
	Opposite temple south side		1	4.80	0.30	0.15	0.22
	Opposite temple North side		1	11.20	0.30	0.15	0.50
						Qty	11.42

Assistant Engineer 30/8/24
W-14

Jayaram. K.

Assistant Executive Engineer
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-1 KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 complete as per specification with all lead and lift and as per the directions of the Engineer incharge.

Sl No	Particulars of item	Unit Cum	No.s	L	B	D	Qty
	For new drain						
	3rd cross road		1	26.40	1.10	1.00	29.04
	5th cross road		1	10.20	1.10	1.00	11.22
	Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	1.10	1.00	33.00
			1	13.50	1.10	1.00	14.85
			1	10.70	1.10	1.00	11.77
			1	16.70	1.10	1.00	18.37
			1	9.90	1.10	1.00	10.89
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	1.10	1.00	21.23
			1	9.40	1.10	1.00	10.34
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00	1.35	1.40	39.69
	For Culvert						
	3 rd Cross road		1	8.20	1.60	1.20	15.74
	Dananjaya house		1	3.75	1.60	1.60	9.60
	Basavaraj house		1	7.60	1.60	1.20	14.59
	Right side		1	6.60	1.60	1.50	15.84
	4 th cross		1	5.50	1.60	1.20	10.56
	5 th cross		1	6.90	2.10	1.95	28.26
						Qty	294.99

6 EIRL ITEM KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (14/4.12)

	Wall						
	Ch 0.00 to 13.50 mtr		1	13.50	0.38	2.00	10.12
			1	13.50	0.60	2.00	16.20

Q.S.55m to 58.00 mt.		1	5.50	0.38	2.00	
		1	5.50	0.60	2.00	4.12
Q.S.00 to S.70 mt.		2	6.70	0.38	2.00	6.60
Q.S.70 to 57.35 mt.		2	11.65	0.38	2.00	10.05
Q.57.35 to 85.5 mt.		2	10.95	0.38	2.00	17.47
End connection						16.42
		1	6.20	0.30	1.20	
Non connection						2.23
		2	6.80	0.30		
					Qty	6.93
						90.14

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

Jayarama.K

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

neasurement recorded on

atruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya ase in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

)Q-2

KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification complete as per specification with all lead and lift and as per the directions of the Engineer incharge

Particulars of item	Unit Cum	No.s	L	B	D	Qty
New drain						
3rd cross road		1	26.40	1.10	0.15	4.36
4rd cross road		1	10.20	1.10	0.15	1.68
Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	1.10	0.15	4.95
		1	13.50	1.10	0.15	2.23
		1	10.70	1.10	0.15	1.77
		1	16.70	1.10	0.15	2.76
		1	9.90	1.10	0.15	1.63
Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	1.10	0.15	3.18
		1	9.40	1.10	0.15	1.55
Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00	1.20	0.15	3.78
For Culvert						
3 rd Cross road		1	8.20	1.60	0.15	1.97
Dariddra house		1	3.75	1.60	0.15	0.90
Basavaraj house		1	7.60	1.60	0.15	1.82
Right side		1	6.60	1.60	0.15	1.58
4 th cross		1	5.50	1.60	0.15	1.32
5 th cross		1	6.90	2.10	0.15	2.17
					Qty	37.66

09/09/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

Jayaram. K.

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (A):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	U shape drain							
	3rd cross road							
1	10	1	265	2.15	569.75	U bar Main rod	0.61	347.55
2	8	1	15	26.40	396.00	Distribution Bar	0.39	154.44
	4rd cross road							
3	10	1	103	2.15	221.45	U bar Main rod	0.61	135.08
4	8	1	15	10.20	153.00	Distribution Bar	0.39	59.67
	Manjunatha nagara main road from Anganawadi towards North Left side							
5	10	1	301	2.15	647.15	U bar Main rod	0.61	394.76
6	8	1	15	30.00	450.00	Distribution Bar	0.39	175.50
7	10	1	136	2.15	292.40	U bar Main rod	0.61	178.36
8	8	1	15	13.50	202.50	Distribution Bar	0.39	78.98
9	10	1	108	2.15	232.20	U bar Main rod	0.61	141.64
10	8	1	15	10.70	160.50	Distribution Bar	0.39	62.60
11	10	1	168	2.15	361.20	U bar Main rod	0.61	220.33
12	8	1	15	16.70	250.50	Distribution Bar	0.39	97.70
13	10	1	100	2.15	215.00	U bar Main rod	0.61	131.15
14	8	1	15	9.90	148.50	Distribution Bar	0.39	57.92
	Manjunatha nagara main road from Anganawadi towards North Right side							
15	10	1	194	2.15	417.10	U bar Main rod	0.61	254.43
16	8	1	15	19.30	289.50	Distribution Bar	0.39	112.91
17	10	1	95	2.15	204.25	U bar Main rod	0.61	124.59
18	[illegible]	1	15	9.40	141.00	Distribution Bar	0.39	54.99
	Manjunatha nagara main road from Anganawadi towards North Right side End							
19	10	2	211	2.75	1160.50	U bar Main rod	0.61	707.91
20	8	2	35	21.00	1470.00	Distribution Bar	0.39	573.30
	6 th cross							
21	10	2	280	0.45	252.00	U bar Main rod	0.61	153.72
22	8	2	2	30.00	120.00	Distribution Bar	0.39	46.80
23	10	2	250	0.45	225.00	U bar Main rod	0.61	137.25
24	8	2	2	25.00	100.00	Distribution Bar	0.39	39.00
	Opposite temple south side							
25	10	2	40	0.45	36.00	U bar Main rod	0.61	21.96
26	8	2	2	4.80	19.20	Distribution Bar	0.39	7.49
	Opposite temple North side							
27	10	2	90	0.45	81.00	U bar Main rod	0.61	49.41
28	8	2	2	11.20	44.80	Distribution Bar	0.39	17.47
							Qty	4536.90
							Tonne	4.54

Assistant Engineer
W-14
Jayanna. K.
04/09/24

Assistant Executive Engineer
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE
Ward 14, Dasarahalli sub division

Premeasurement recorded on (B):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	Culvert							
	3 rd Cross road							
	10	2	82	2.50	410.00	U bar Main rod	0.61	250.10
	10	1	30	8.20	246.00	Distribution Bar	0.61	150.06
	Dananjaya house				0.00			
	10	2	37	3.30	244.20	U bar Main rod	0.61	148.96
	10	1	38	3.70	140.60	Distribution Bar	0.61	85.77
	Basavaraj house				0.00			
	10	2	76	2.50	380.00	U bar Main rod	0.61	231.80
	10	1	30	7.60	228.00	Distribution Bar	0.61	139.08
	[illegible]				0.00			
	10	2	66	3.10	409.20	U bar Main rod	0.61	249.61
	10	1	38	6.60	250.80	Distribution Bar	0.61	152.99
	4th cross				0.00			
	10	2	54	2.50	270.00	U bar Main rod	0.61	164.70
	10	1	30	5.40	162.00	Distribution Bar	0.61	98.82
							Qty	1671.89
							Tonne	1.67

05/07/24

Assistant Engineer
W-14

Fayeeeeq. K.

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (C):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, hire of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	5 th cross							
	For Roft							
	12	1	69	2.40	165.60	Main rod bottom	0.89	147.38
	12	1	35	2.40	84.00	Main rod top	0.89	74.76
	12	2	34	2.00	136.00	L bar	0.89	121.04
	10	2	14	6.90	193.20	Distribution Bar	0.61	117.85
	10	1	9	1.20	10.80	Chair	0.61	6.59
					0.00			0.00
	12	2	47	2.40	225.60	Main rod outer	0.89	200.78
	12	2	47	2.40	225.60	Main rod inner	0.89	200.78
	10	4	10	6.90	276.00	Distribution Bar	0.61	168.36
	10	1	16	1.20	19.20	U bar	0.61	11.71
							Qty	1049.25
							Tonne	1.05

06/09/24

Assistant Engineer
W-14

Jayaram. K.

06/09/24

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

EIRL TEM	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (13/4.3)

S No	Particulars of Item	Unit	No.s	L	B	D	Qty
		Cum					
	Ch 0.00 to 13.50 mtr		1	13.50	2.65	0.15	5.36
	Ch 13.50 to 19.00 mtr		1	5.50	2.30	0.15	1.89
	Ch 19.00 to 25.70 mtr		1	6.70	2.65	0.15	2.66
	Ch 25.70 to 37.35 mtr		1	11.65	2.80	0.15	4.89
	Ch 37.35 to 48.3 mtr		1	10.95	2.80	0.15	4.59
	End connection						
			1	7.20	1.10	0.15	1.03
	North connection						
			1	7.80	1.50	0.15	1.53
						Qty	21.96

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

Jayeeeeee. K.

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

measurement recorded on

nstruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya use in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

d.	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded						
CM	granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not						
	exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per						
	specifications. Specification No. KBS 4.1, 4.2 (13/4.3)						
No	**Particulars of item**	**Unit**	**No.s**	**L**	**B**	**D**	**Qty**
	Road						
			1	5.50	4.00	0.15	3.30
			1	8.80	3.10	0.15	4.09
						Qty	7.39

23/09/21

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

Jayanna. K.

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-3 Providing and laying palin / reinforced cement concrete for side drain using M20 nominal mix conncrete with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.43cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, well compacted for walls and bottom including centering,shuttering, cost of materials,HOM of machinery, curing etc complete excluding cost of steel as per MORTH Specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications wall & botton thickness 15cm complete as per specification with all lead and lift and as per the directions of the Engineer incharge

Particulars of Item	Unit	No.s	L	B	D	Qty
Bed	**Cum**					
New drain						
3rd cross road		1	26.40	1.00	0.15	3.96
4rd cross road		1	10.20	1.00	0.15	1.53
Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	1.00	0.15	4.50
		1	13.50	1.00	0.15	2.03
		1	10.70	1.00	0.15	1.61
		1	16.70	1.00	0.15	2.51
		1	9.90	1.00	0.15	1.49
Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	1.00	0.15	2.90
		1	9.40	1.00	0.15	1.41
Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00	1.10	0.20	4.62
For Culvert						
3 rd Cross road		1	8.20	1.50	0.30	3.69
Dananjaya house		1	3.75	1.50	0.30	1.69
Basavaraj house		1	7.60	1.50	0.30	3.42
Right side		1	6.60	1.50	0.30	2.97
4 th cross		1	5.50	1.50	0.30	2.48
5 th cross		1	6.90	2.10	0.30	4.35
					Qty	45.12

1 KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing,

complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (14/4.12)

Roft	**Cum**					
Ch 0.00 to 13.50 mtr		1	13.50	2.50	0.40	13.50
Ch 13.50 to 19.00 mtr		1	5.50	2.30	0.40	5.06
Ch 19.00 to 25.70 mtr		1	6.70	2.50	0.40	6.70
Ch 25.70 to 37.35 mtr		1	11.65	2.70	0.40	12.58

Ch 37.35 to 48.3 mtr							
End connection		1	10.95	2.70	0.40	11.82	
North connection		1	6.20	1.10	0.35	2.38	
		1	6.80	1.30	0.30	2.65	
					Qty	54.69	A

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

Jayasree.K.

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (D):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhanalakshmi house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOA of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of Bar / Mtr	Weight in Kg
	For deck slab							
	12	1	26	2.40	62.40	Main rod bottom	0.89	55.54
	12	1	13	2.40	31.20	Main rod top	0.89	27.77
	10	1	14	3.70	51.80	Distribution Bar	0.61	31.60
	10	1	9	1.20	10.80	Chair	0.61	6.59
							Qty	121.49
							Tonne	0.12

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18/09/21

Assistant Engineer
W-14

18/09/21

Assistant Executive Engineer
Dasarahalli Sub Division

Jayaaaaa.K.

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

remeasurement recorded on

hananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte

ard no 14

OQ-1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 complete as per specification with all lead and lift and as per the directions of the Engineer incharge.						
	Particulars of Item	**Unit**	**No.s**	**L**	**B**	**D**	**Qty**
	Ramp	Cum					
	3 rd Cross road						
	Basavaraj house		2	8.20	1.00	0.25	4.10
			1	7.60	1.00	0.25	1.90
	Right side		1	7.60	0.75	0.25	1.43
	4 th cross		1	6.60	0.50	0.25	0.83
	Gowda house		2	5.50	0.90	0.25	2.48
			1	0.70	1.40	0.25	0.25
						Qty	10.97
IRL TEM	KSRB 12-4 : Providing and laying in position plain cement concrete of M - 7.5 using 40mm and down size graded granite trap metal for surrounded encasing internal diameter stoneware pipes, concrete machine mixed well compacted including cost of materials, labour charges, form work, HOM curing complete as per specifications. Specification No. KBS 4.1 / 2 300mm P73/11.32						
		Mtr					
	For diversion of sanitory water		1	6.00			6.00
			1	4.00			4.00
						Qty	10.00

19/09/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

Jayaram K.

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-2

KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification complete as per specification with all lead and lift and as per the directions of the Engineer incharge

Particulars of item	Unit	No.s	L	B	D	Qty
Kerb bed	**Cum**					
3rd cross road						
4rd cross road		1	26.40	0.30	0.15	1.19
Manjunatha nagara main road from Anganawadi towards North Left side		1	10.20	0.30	0.15	0.46
		1	30.00	0.30	0.15	1.35
		1	13.50	0.30	0.15	0.61
		1	10.70	0.30	0.15	0.48
		1	16.70	0.30	0.15	0.75
		1	9.90	0.30	0.15	0.45
Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	0.30	0.15	0.87
		1	9.40	0.30	0.15	0.42
Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00	0.30	0.15	0.95
6 th cross						
South side		1	30.00	0.30	0.15	1.35
North side		1	25.50	0.30	0.15	1.15
Manjunatha nagara main road from Anganawadi towards North Left side		1	11.20	0.30	0.15	0.50
6 th cross						
Opposite temple		1	4.00	0.30	0.15	0.18
Opposite temple south side		1	4.80	0.30	0.15	0.22
Opposite temple North side		1	11.20	0.30	0.15	0.50
Ramp						
3 rd Cross road		2	8.20	1.00	0.10	1.64
Basavaraj house		1	7.60	1.00	0.10	0.76
		1	7.60	0.75	0.10	0.57
Right side		1	6.60	0.50	0.10	0.33
4 th cross		2	5.50	0.90	0.10	0.99
					Qty	15.71

KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. P7/2.12

In front of Dananjaya house		1	8.80	3.60	(1.35+1.15+.9)	35.80
				15% settlement		5.37
					Qty	30.43

20/09/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (F):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	0.00 to 3.80mtr							
	12	1	38	2.40	91.20	Main rod bottom	0.89	81.17
	12	1	19	2.40	45.60	Main rod top	0.89	40.58
	12	2	19	1.00	38.00	Top extra bar	0.89	33.82
	10	2	17	3.80	129.20	Distribution Bar	0.61	78.81
	12	1	9	1.20	10.80	Chair	0.89	0.89
	3.80 to 4.45mtr							
	12	1	7	2.40	16.80	Main rod bottom	0.89	14.95
	12	1	7	2.40	16.80	Main rod top	0.89	14.95
	10	1	20	2.00	40.00	Stirrup	0.61	24.40
	12	1	4	1.20	4.80	Chair	0.89	0.89
	4.45 to 13.30 mtr							
	12	1	85	2.40	204.00	Main rod bottom	0.89	181.56
	12	1	43	2.40	103.20	Main rod top	0.89	91.85
	12	2	49	1.00	98.00	Top extra bar	0.89	87.22
	10	2	18	8.50	306.00	Distribution Bar	0.61	186.66
	12	1	24	1.20	28.80	Chair	0.89	0.89
	13.30 to 14.15 mtr							
	12	1	7	2.50	17.50	Main rod bottom	0.89	15.58
	12	1	7	2.50	17.50	Main rod top	0.89	15.58
	10	1	21	2.00	42.00	Stirrup	0.61	25.62
	12	1	4	1.20	4.80	Chair	0.89	0.89
	14.15 mtr							
	12	1	123	2.60	319.80	Main rod bottom	0.89	284.62
	12	1	62	2.60	161.20	Main rod top	0.89	143.47
	12	2	62	1.00	124.00	Top extra bar	0.89	110.36
	10	2	18	12.20	439.20	Distribution Bar	0.61	267.91
	12	1	39	1.20	46.80	Chair	0.89	0.89
	26.35 to 27.00 mtr							
	12	1	7	2.70	18.90	Main rod bottom	0.89	16.82
	12	1	7	2.70	18.90	Main rod top	0.89	16.82
	10	1	22	2.00	44.00	Stirrup	0.61	26.84
	12	1	4	1.20	4.80	Chair	0.89	0.89
	27.00 37.35mtr							
	12	1	102	2.70	275.40	Main rod bottom	0.89	245.11
	12	1	53	2.70	143.10	Main rod top	0.89	127.36
	12	2	53	1.00	106.00	Top extra bar	0.89	94.34
	10	2	18	10.35	372.60	Distribution Bar	0.61	227.29
	12	1	33	1.20	39.60	Chair	0.89	0.89

37.35 to 38.00 mtr								
12	1	7	2.70	18.90	Main rod bottom	0.89	16.82
12	1	7	2.70	18.90	Main rod top	0.89	16.82
10	1	22	2.00	44.00	Stirrup	0.61	26.84
12	1	4	1.20	4.80	Chair	0.89	0.89
38.00 to 47.45							
12	1	95	2.70	256.50	Main rod bottom	0.89	228.29
12	1	48	2.70	129.60	Main rod top	0.89	115.34
12	2	47	1.00	94.00	Top extra bar	0.89	83.66
10	2	18	9.45	340.20	Distribution Bar	0.61	207.52
12	1	32	1.20	38.40	Chair	0.89	0.89
47.45 to 48.10 mtr							
12	1	7	2.70	18.90	Main rod bottom	0.89	16.82
12	1	7	2.70	18.90	Main rod top	0.89	16.82
10	1	22	2.00	44.00	Stirrup	0.61	26.84
12	1	4	1.20	4.80	Chair	0.89	0.89
48.10 to 48.95 mtr							
12	1	9	2.70	24.30	Main rod bottom	0.89	21.63
12	1	9	2.70	24.30	Main rod top	0.89	21.63
10	1	22	2.50	55.00	Stirrup	0.61	33.55
12	1	4	1.20	4.80	Chair	0.89	0.89
						Qty	3296.05
						Tonne	3.30

22/09/24

Assistant Engineer
W-14

Jayaaaaa. K.

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Measurement recorded on

Construction of CC drain from Maremma devi temple surrounding and construction of CC drain at Ramanjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

SOR ITEM	KSRS 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs with 20mm and down size graded granite metal coarse aggregates @0.78cum and fine aggregates @ 0.47cum, with superplasticiser @2lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or facing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (4.6.4 (2)						
S No	Particulars of item	Unit	No.s	L	B	D	Qty
	Top slab						
			1	3.80	2.10	0.35	2.79
			1	0.65	2.10	0.35	0.48
			1	8.85	2.20	0.35	6.81
			1	0.65	2.30	0.35	0.52
			1	12.20	2.30	0.35	9.82
			1	0.65	2.40	0.35	0.56
			1	11.35	2.40	0.35	9.52
			1	0.65	2.35	0.35	0.53
			1	9.45	2.40	0.35	7.94
			1	0.65	2.35	0.35	0.53
			1	0.85	2.35	0.35	0.70
	Pole		1	1.50	1.50		0.87
	Deduct opening		-1	1.20	0.30	0.20	-0.07
			-2	0.60	0.30	0.20	-0.07
						Qty	38.12
SOR ITEM	KSRS 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. specification. No. KBS 2.10.2 (2.2.1)						
S No	Particulars of item	Unit	No.s	L	B	D	Qty
		Cum					
	In front of Omkaraya house		1	8.80	3.10	0.45	12.27
						Qty	12.27

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

Jayesuu. k.

SOUTH BANGALORE MAHANAGARA PALIKE

Ward 16, Dasarahalli sub division

Measurement recorded on

Construction of CC drain from Mariamma devi temple surrounding and connection of CC drain at Dhanalingeshwara house in Manjunatha Nagara Cross, Higher primary school Surrounding in Sagalagunte ward no 16

SI No	Particulars of item	Unit	No.s	L	B	D	Qty
	Providing and removing centering, shuttering, straining, propping etc., and removal of form work for vertical surface such as walls of any thickness, including attached pilasters, buttresses, plinth offset and string courses etc of all materials above complete as per specifications.						
	Earth:						
	Ch 1.30 m to 12.50 mtr		2	12.50		1.45	72.50
	Ch 12.50 m to 19.30 mtr		2	2.50		1.45	2.90
	Ch 19.30 m to 25.70 mtr		2	2.50		1.45	4.90
	Ch 25.70 m to 27.55 mtr		2	4.70		1.45	9.55
	Ch 27.55 m to 48.3 mtr		2	2.50		1.45	2.90
			1	1.60		1.45	2.32
			1	2.70		1.45	3.92
			1	11.50		1.45	16.68
			1	2.70		1.45	3.92
	Wall						
	Ch 1.30 m to 12.50 mtr		4	12.50		2.10	105.00
	Ch 12.50 m to 19.30 mtr		4	2.50		2.10	42.00
	Ch 19.30 m to 25.70 mtr		4	4.70		2.10	79.20
	Ch 25.70 m to 27.55 mtr		4	1.60		2.10	26.88
	Ch 27.55 m to 48.3 mtr		4	11.50		2.10	51.80
			2	2.70		2.10	22.68
			4	1.60		2.10	13.44
	Deck slab						
			2	2.80	1.50		8.40
			2	2.50		1.45	7.25
			2	1.65	1.50		4.95
			2	2.70		1.45	7.83
			2	1.60	1.50		4.80
			2	1.65		1.45	4.79
			2	2.50	1.50		7.50
			2	2.20		1.45	6.38
			2	2.50	1.50		7.50
			2	1.60		1.45	4.64
			2	2.10		1.45	6.09
			2	11.50	1.50		34.50
			2	2.70		1.45	7.83
			2	1.60	1.50		4.80
			2	2.50		1.45	7.25
			2	1.60	1.50		4.80
			2	2.20		1.45	6.38
	End connection						
			1	4.20		1.30	5.46
	North connection		1	4.20		1.30	5.46
			1	1.60		1.30	2.08
			1	1.60		1.30	2.08
	Pole		4	1.60		1.30	8.32

Assistant Engineer

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BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-3

Providing and laying palin / reinforced cement concrete for side drain using M20 nominal mix conncrete with OPC cement @ 300kgs. with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.43cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, well compacted for walls and bottom including centering,shuttering, cost of materials,HOM of machinery, curing etc complete excluding cost of steel as per MORTH Specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications wall & botton thickness 15cm complete as per specification with all lead and lift and as per the directions of the Engineer incharge

S No	Particulars of item	Unit	No.s	L	B	D	Qty
	Side wall	Cum					
	New drain						
	3rd cross road		2	26.40	0.15	0.60	4.75
			1	15.00	0.15	0.40	0.90
	4rd cross road		2	10.20	0.15	0.60	1.84
	Manjunatha nagara main road from Anganawadi towards North Left side		2	30.00	0.15	0.65	5.85
			2	13.50	0.15	0.65	2.63
			2	10.70	0.15	0.65	2.09
			1	10.70	0.15	0.30	0.48
			2	16.70	0.15	0.60	3.01
			1	16.70	0.08	0.60	0.75
			2	9.90	0.15	0.65	1.93
	Manjunatha nagara main road from Anganawadi towards North Right side		2	19.30	0.15	0.70	4.05
			1	19.30	0.10	0.70	1.35
			2	9.40	0.15	0.50	1.41
			2	9.40	0.10	0.50	0.94
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	16.00	0.30	1.00	4.80
			1	5.00	0.30	0.75	1.13
			1	16.00	0.15	1.00	2.40
			1	6.00	0.15	0.75	0.68
	6 th cross						
	South side		1	30.00	0.20	0.40	2.40
	North side		1	25.50	0.30	0.40	3.06
	South side		1	30.00	0.15	0.40	1.80
	North side		1	25.50	0.15	0.40	1.53
	For bed correction						
	South side		1	30.00	0.60	0.15	2.70
	North side		1	25.50	0.60	0.15	2.30
	Manjunatha nagara main road from Anganawadi towards North Left side End		2	11.20	0.15	0.30	1.01
	Bed correction		1	11.20	0.60	0.15	1.01
	Dananjaiah house connecting drain bed		1	7.50	0.60	0.15	0.68
	Dananjaiah house connecting drain wall		2	7.50	0.25	0.45	1.69
	Opposite temple						
	Opposite temple south side		2	4.80	0.20	0.40	0.77
	Opposite temple North side		2	11.20	0.20	0.40	1.79
	For bed correction						
	Opposite temple south side		1	4.80	0.60	0.15	0.43
	Opposite temple North side		1	11.20	0.60	0.15	1.01
	For Culvert						
	3 rd Cross road						
	Dananjaya house		2	8.20	0.38	0.60	3.69
	Basavaraj house		2	3.75	0.38	1.20	3.38
	Right side		2	7.60	0.38	0.60	3.42
	4 th cross		2	6.60	0.38	0.90	4.46
	5 th cross		2	5.50	0.38	0.60	2.48
			2	6.90	0.60	1.50	12.42
	5 th cross Deck slab		2	1.20	2.20	0.30	1.58

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division Bangalore-73

28/09/2023

	2	2.35	2.20	0.30	3.10
	2	3.15	2.20	0.30	4.16
Ramp	-1	1.50	3.15	0.30	-1.42
5 rd Cross road					
Basavan house	2	8.20	1.00	0.20	3.28
	1	7.80	1.00	0.20	1.52
Right side	1	7.60	0.75	0.18	1.00
4 th cross	1	6.60	0.50	0.18	0.59
Gowda house	2	5.00	0.90	0.20	1.80
Kerb beef	1	0.70	3.40	0.25	0.25
3rd cross road					
4rd cross road					
Manjunatha nagara main road from	1	26.40	0.15	0.08	0.30
Arapanawati towards North Left side	1	10.20	0.15	0.08	0.11
	1	30.00	0.15	0.08	0.34
	1	13.50	0.15	0.10	0.20
	1	10.70	0.15	0.10	0.16
	1	16.70	0.15	0.10	0.25
	1	9.90	0.15	0.10	0.15
Manjunatha nagara main road from	1	19.30	0.15	0.10	0.29
Arapanawati towards North Right side	1	9.40	0.15	0.10	0.14
	1	21.00	0.15	0.10	0.32
	1	30.00	0.20	0.10	0.60
	1	25.50	0.20	0.10	0.51
Manjunatha nagara main road from	1	11.20	0.20	0.10	0.22
Arapanawati towards North Left side End					
6 th cross					
Opposite temple	1	4.00	0.20	0.10	0.08
Opposite temple south side	1	4.50	0.20	0.10	0.10
Opposite temple North side	1	11.20	0.20	0.10	0.22
				Qty	112.85

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

Jayanna. K.